The Solution (Continued)

- This still allows the large carriers to implement EDI in TMN (like past traditional gateways). AT&T has proposed EC-Lite, which does this

- This will allow every carrier to begin focusing in a particular direction for ordering and pre-ordering

- For trouble, every large LEC has a TMN-based trouble gateway based on T1.227 and T1.228 (T1M1 standards)
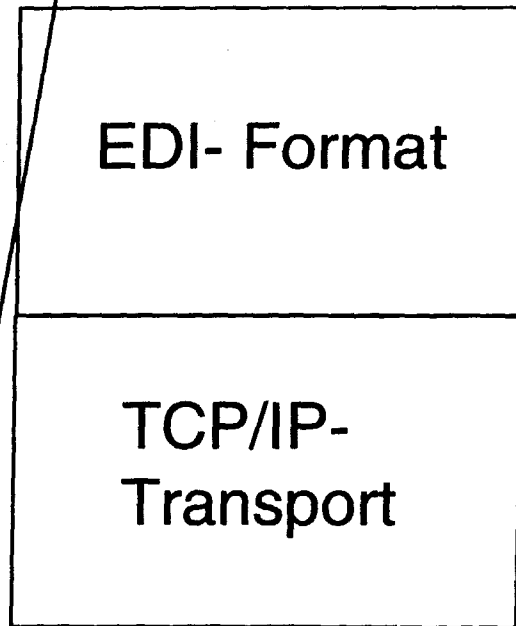
The Solution (Continued)

- As we have discussed, this TMN approach is cost prohibitive for small to medium CLECs

- However, universal gateways can build interfaces, via TCP/IP, from existing trouble gateways to CLECs OSSs or graphical interfaces
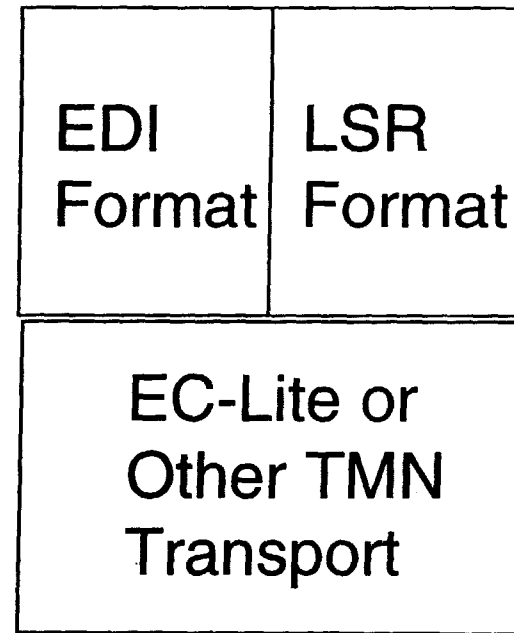
So What's This Look Like?

EDI- Format
TCP/IP- Transport

Lowest Common Denominator Solution

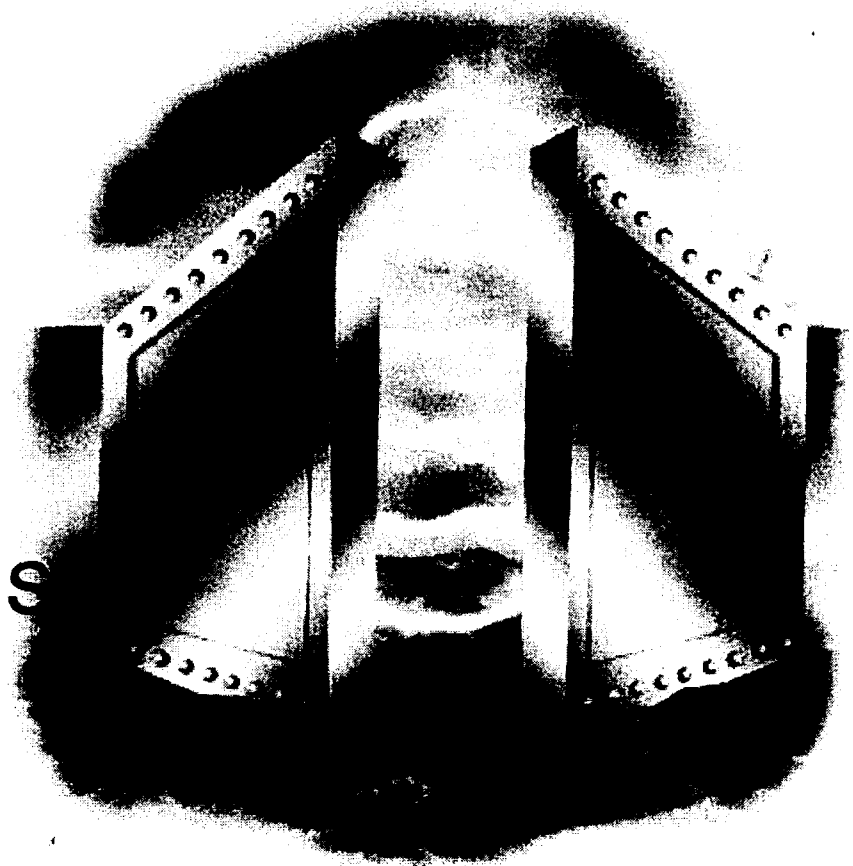| EDI Format	LSR Format
EC-Lite or Other TMN Transport	

At The Option Of Large Carriers In Addition to LCD

A Little On Telesphere's Product Offerings:

PowerGATE

provides a
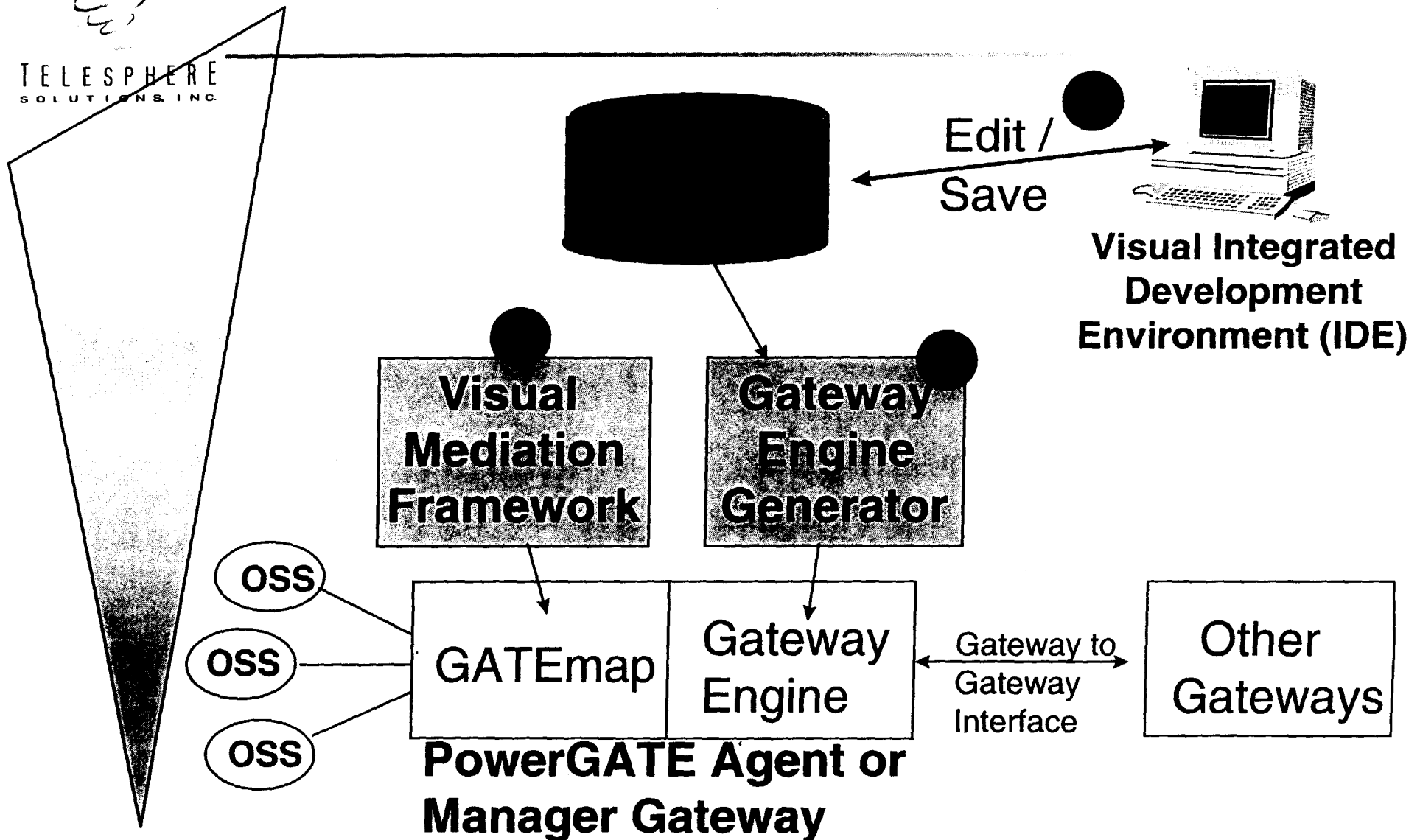
Graphically

Aided

Telecommunications

Environment

PowerGATE

- PowerGATE has three major architectural subsystems:
  - VisualTMN / VisualEDI
  - TMNgine / EDI Engine
  - GATEmap

PowerGATE Development Process
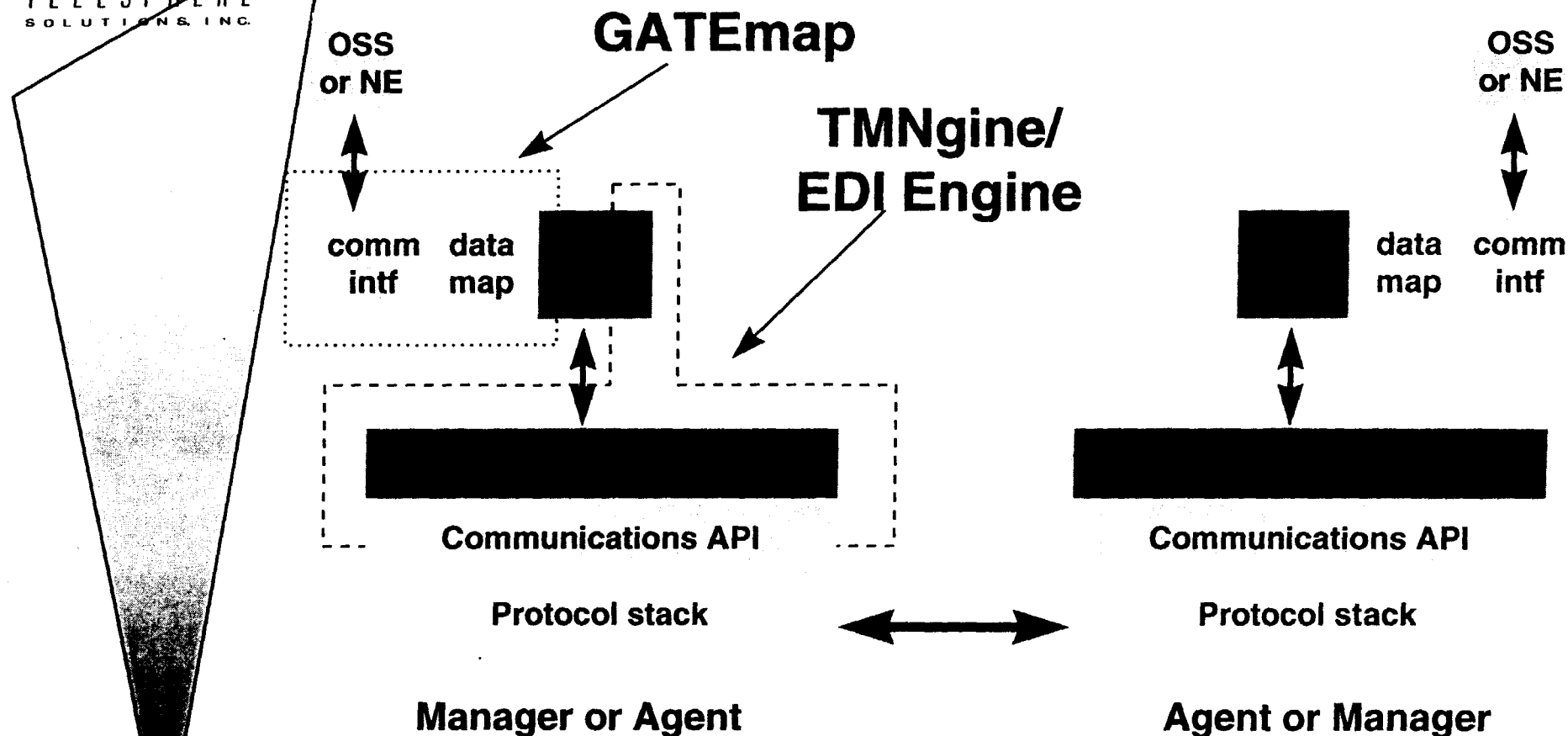
Edit / Save

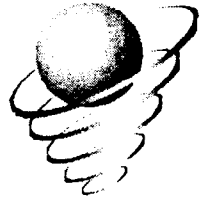**Visual Integrated Development Environment (IDE)**

Visual Mediation Framework

Gateway Engine Generator

OSS

OSS

OSS

GATEmap

Gateway Engine

Gateway to Gateway Interface

Other Gateways

PowerGATE Agent or Manager Gateway

PowerGATE Runtime Architecture Overview

GATEmap

TMNgine/ EDI Engine

OSS or NE

OSS or NE

comm intf | data map

data map | comm intf

Communications API

Communications API

Protocol stack

Protocol stack

Manager or Agent

Agent or Manager
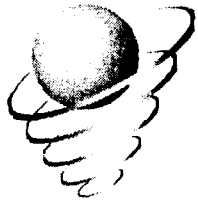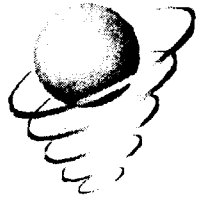
Conclusions

- Electronic communications are absolutely critical for any CLEC who wants to compete in the local loop

- Peeling back the onion, EC is a critical part of the 14-point checklist

- The FCC should get involved in specifying required EC interfaces and applications

Conclusions (Continued)

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- This will dramatically impact market time for local competition, and will also impact size of CLEC barriers

- Telesphere recommends that the FCC require as a minimum acceptable set of interfaces and applications:
  - EDI for ordering and pre-ordering format
  - TCP/IP for ordering and pre-ordering transport

Conclusions (Continued)

- The larger carriers can also implement EDI for ordering and pre-ordering over TMN interfaces such as EC-Lite to leverage existing investments

- As an involved party in standards, solutions, and implementations, Telesphere would be glad to continue as a source for the FCC